

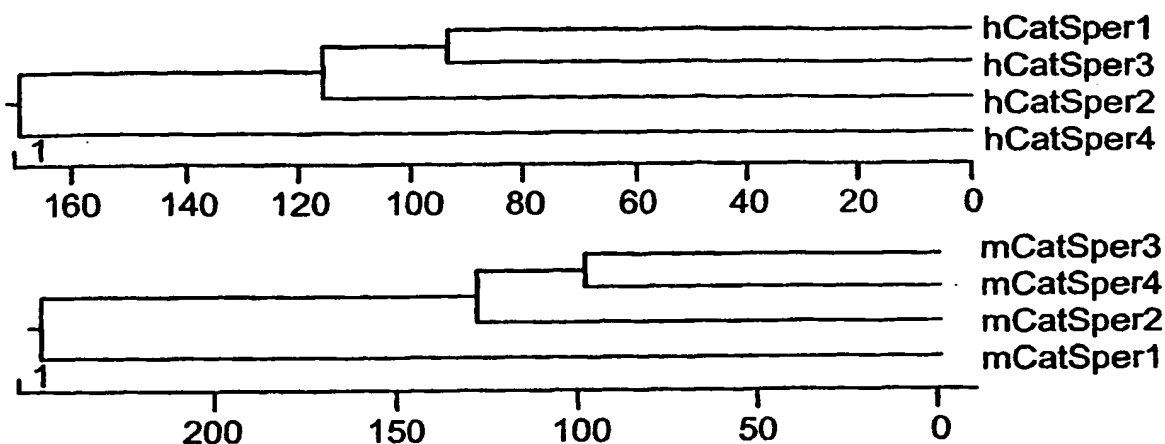
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MSEKHKWWQQ VENIDITHLG PKRKA YELG RHEEQVLNR RDVMEKKDAW 0050  
 DVQEFITQMY IKQLLRHPAFQLLLAFLLS NATIALRTN SYLGQKHVEL 0100  
 FSTIDDIVLT ILICEVLLGW LNGFWIFWKD GWNILNFAIV FILEMGFFIK 0150  
 QOLDMVAITYP LRVLR LVHVC MAVEPLARII KVILOQMPDL ANVMALILFF 0200  
 MLVFSVFGVT LFGAFVPKHF QNMGVALYTL FICITODGWL DIYTDFQMDE 0250  
 REYAMEVGGA IYFAVFTLG AFIGNLFVV VVTTNLEQMM KTGEEEGHLN 0300  
 IKFTETEEDDE DWTDELPLVH CTEARKDTST VPKEPLVGGP LSNLTEKTC 0350  
 NFCLVLEAIQ ENLMEYKEIR EELNMIVEEV SSIRFNQEQQ NVILHKYTSK 0400  
 SATFLSEPPE GANKQDLITA LVSREKVSIDS NINMVNKHKF SH 0442

FIG. 1

MRDNEKAWWQ QWTSHTGLEG WGGTQEDRMG FGGAVAALRG RPSPLQSTIH 0050  
 ESYGRPEEQV LINRQEITNK ADAWDMQEFI THMYIKQLLR HPAFQLLLAL 0100  
 LLVINAITIA LRTNSYLDQK HYELFSTIDD IVLTILLCEV LLGWLNGFWI 0150  
 FWKDGWNILN FIIVFILLR FFINEINIPS INYTLRALRL VHVCMAVEPL 0200  
 ARIIRVILQS VPDMANIMVL IFFMLVFSV FGVTLFGAFV PKHFQNIQVA 0250  
 LYTLFICITQ DGWVDIYSDF QTEKREYAME IGGAIYFTIF ITIGAFIGIN 0300  
 LFIIVVTTNL EQMMKAGEQG QQRITFSET GAEEEEENDQ LPLVHCVAR 0350  
 SEKSGLLQEP LAGGPLSNLS ENTCDNFCLV LEAIQENLRQ YKEIRDELNM 0400

FIG. 2



hCatSper3 and hCatSper1 are 21% identical  
 hCatSper3 and hCatSper2 are 22% identical  
 hCatSper4 and hCatSper1 are 17% identical  
 hCatSper4 and hCatSper2 are 21% identical

mCatSper3 and mCatSper1 are 20% identical  
 mCatSper3 and mCatSper2 are 22% identical  
 mCatSper4 and mCarSper1 are 22% identical  
 mCatSper4 and mCatSper2 are 22% identical

hCatSper1 and mCatSper1 are 48% identical  
 hCatSper2 and mCatSper2 are 71% identical  
 hCatSper3 and mCatSper3 are 68% identical  
 hCatSper4 and mCatSper4 are 65% identical

FIG. 3